ABSTRACT OF THE DISCLOSURE

A pressure sensor device having a temperature sensor includes a pressure sensor, a temperature sensor, a sensor casing for accommodating the pressure sensor and a connector pin for electrically connecting the pressure sensor to an outside circuit, and an inlet port mounted on the sensor casing and having a pressure introduction port for introducing a measuring object to the pressure sensor. The temperature sensor comprises a temperature sensing element and a pair of lead wires and is disposed in the pressure introduction port. The lead wires of the temperature sensor are welded to and supported by the connector pin. One of the lead wires is formed as a U-shape and inserted into the pressure introduction port while the U-shaped lead wire is inwardly depressed, so that a reaction force is generated at the lead wire, which outwardly urges the lead wire and the temperature sensing element to an inner wall of the pressure introduction port. As a result, the temperature sensor is firmly fixed to the sensor device of a smaller size and a vibration of the temperature sensor can be suppressed.